

FIG. 1

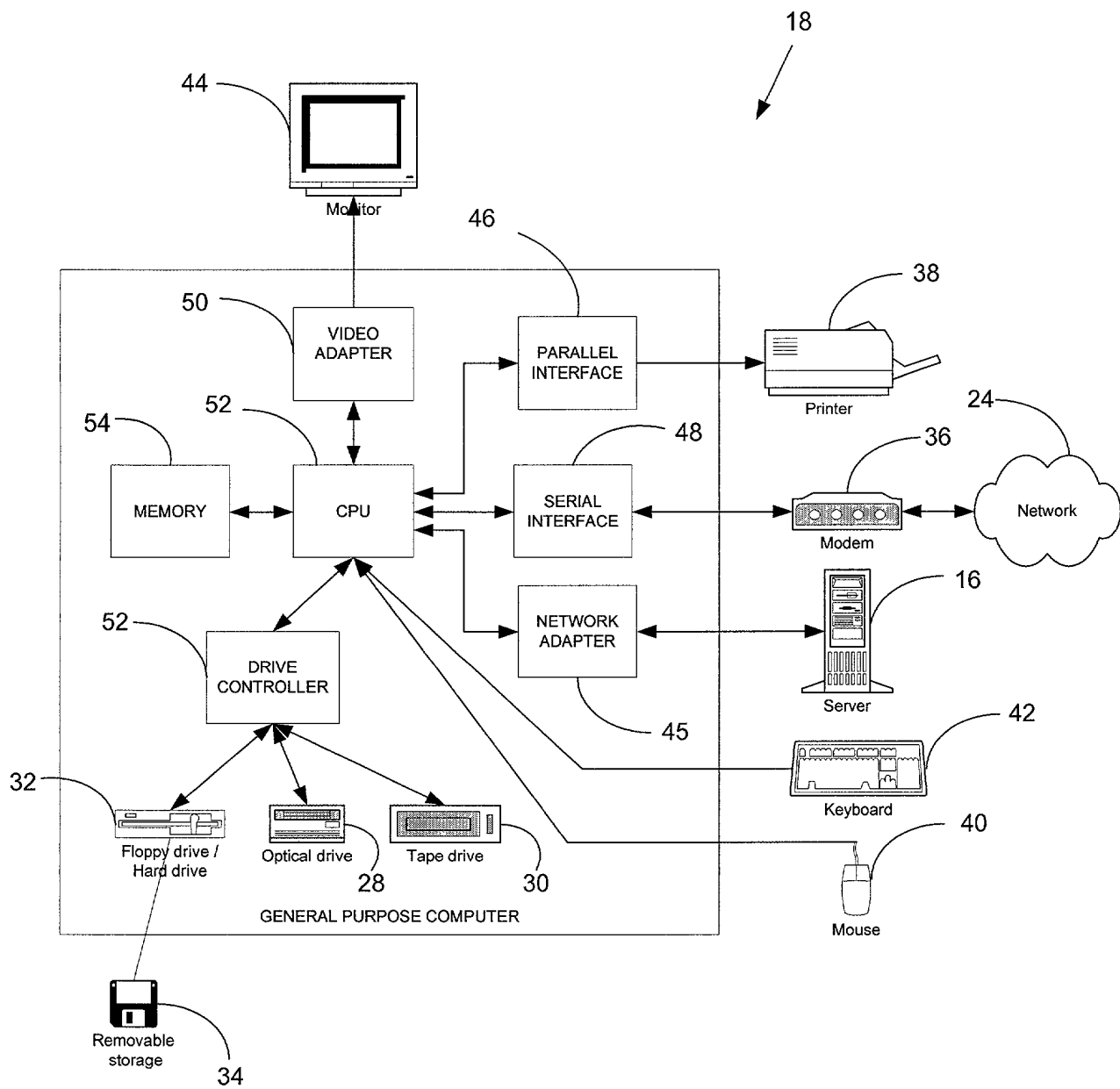


FIG. 2

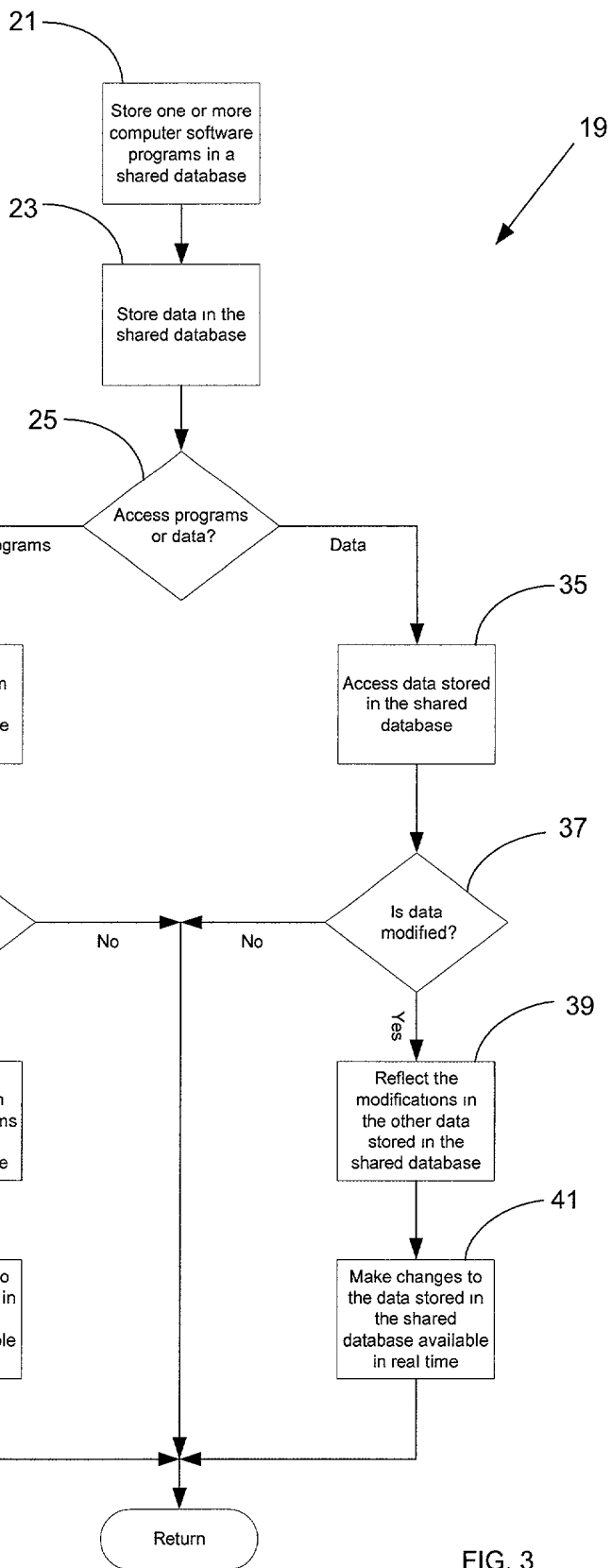


FIG. 3

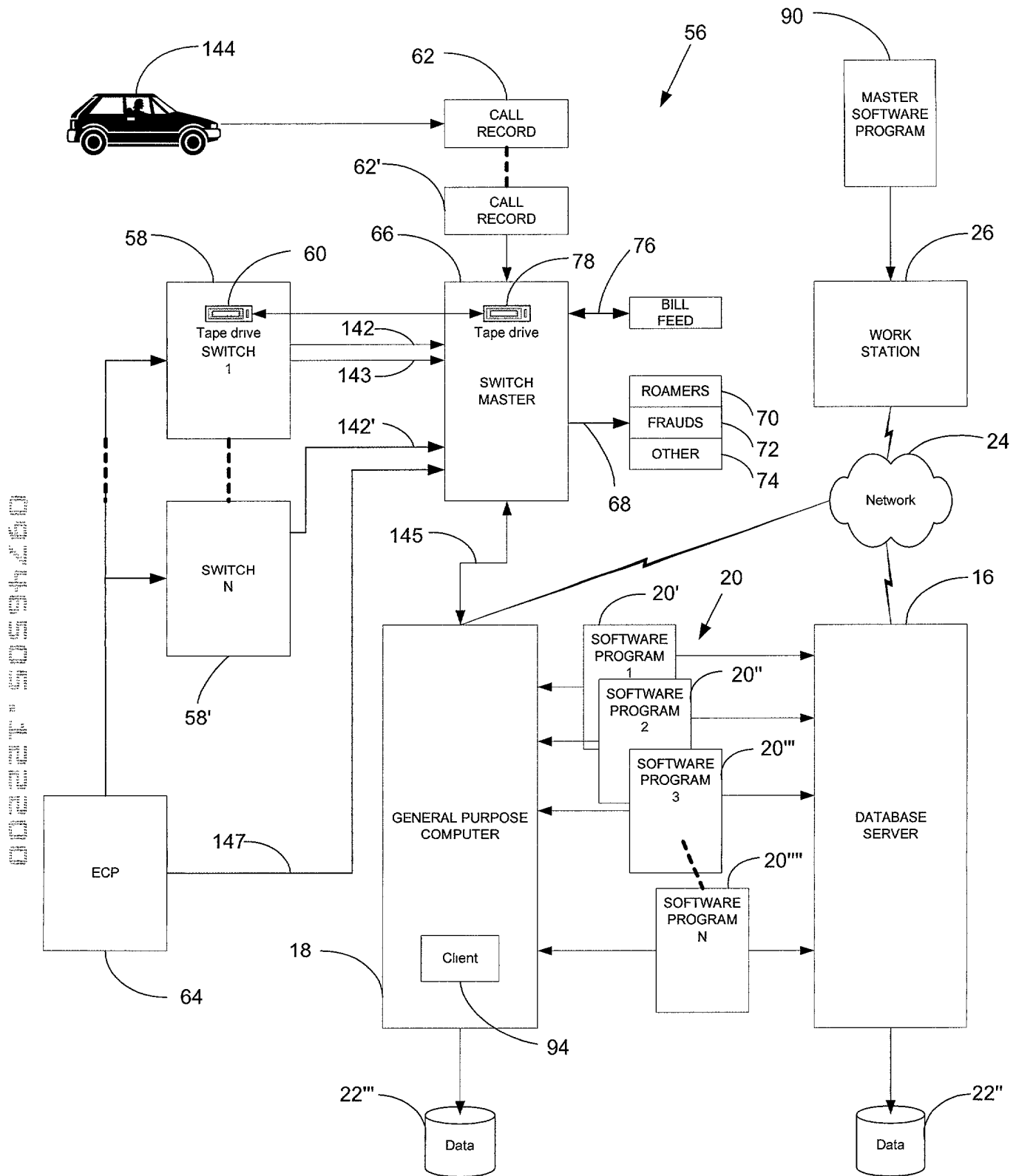


FIG. 4

Diagram illustrating a data structure 44, which is a table 62. The table 62 is organized into columns labeled CALL TYPE, NPA, NXX, FAIL TYPE, and INIT - CELL. The first row of data contains the values 1330, 954, 56200, 4, and A. The table 62 is part of a larger structure 44, which is pointed to by reference numeral 174. Other reference numerals 176, 178, 180, 182, and 184 point to specific parts of the structure.

CALL TYPE	NPA	NXX	FAIL TYPE	INIT - CELL
1330	954	56200	4	A

FIG. 7B

1				5					10					15					20		
0	0	1	A	A	0	1	C	9	5	4	C	5	6	2	0	0	0	1	C	0	0

Block diagram of a call processing system 20'. The system includes a CALL RECORD block 62 at the bottom, which connects to a SCRIPT block 80. The SCRIPT block 80 is part of a larger SWITCH MASTER block 66. Inside the SWITCH MASTER block 66, there are two stacked blocks: 000413.12 (labeled 82') and 000413.13 (labeled 82). The SWITCH MASTER block 66 connects to a BILL FEED block 76, which in turn connects to a TO CENTRAL OFFICE block 77. A feedback path 145 connects the BILL FEED block 76 back to the SWITCH MASTER block 66.

FIG. 5

000001 5054760

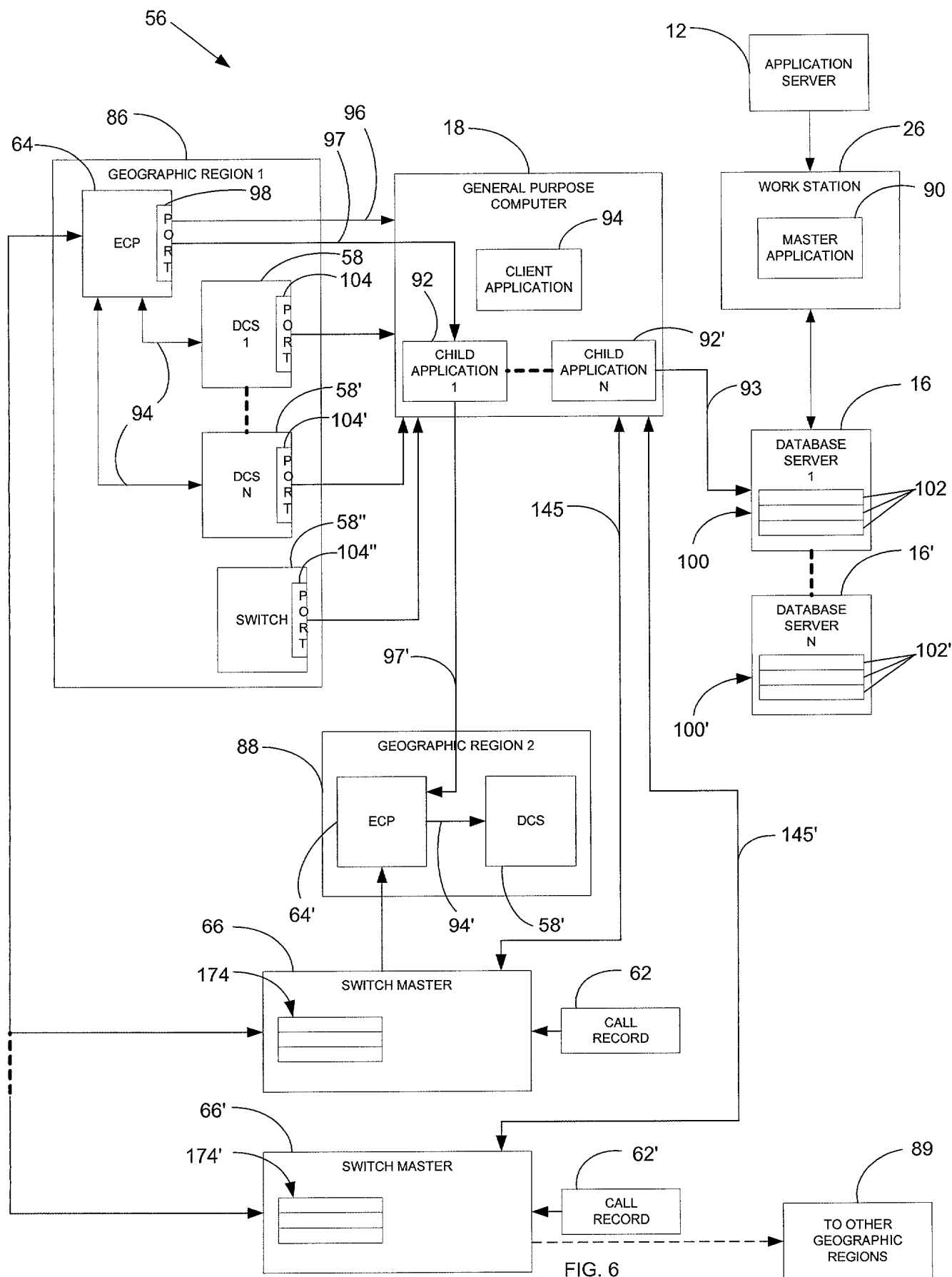


FIG. 6

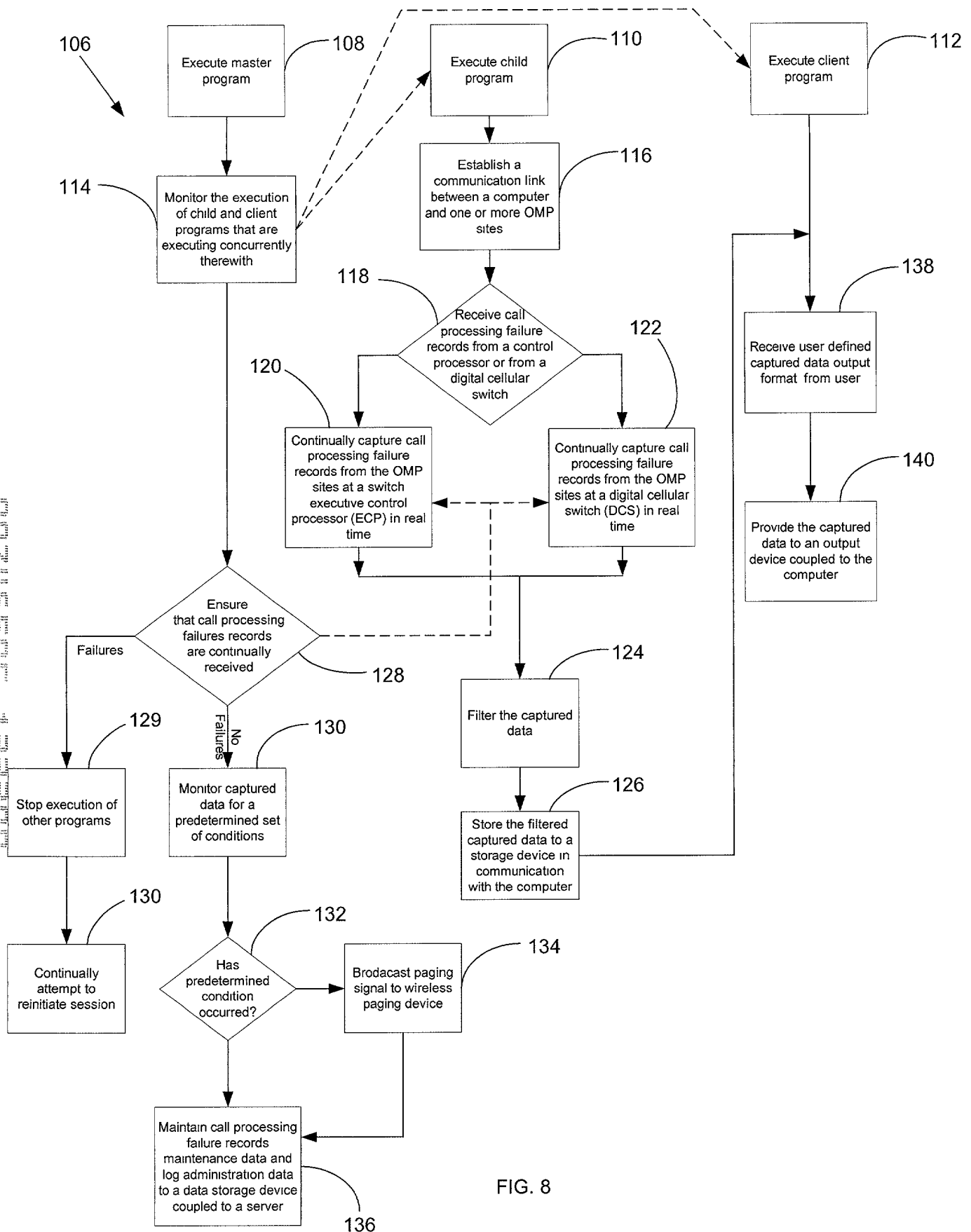


FIG. 8

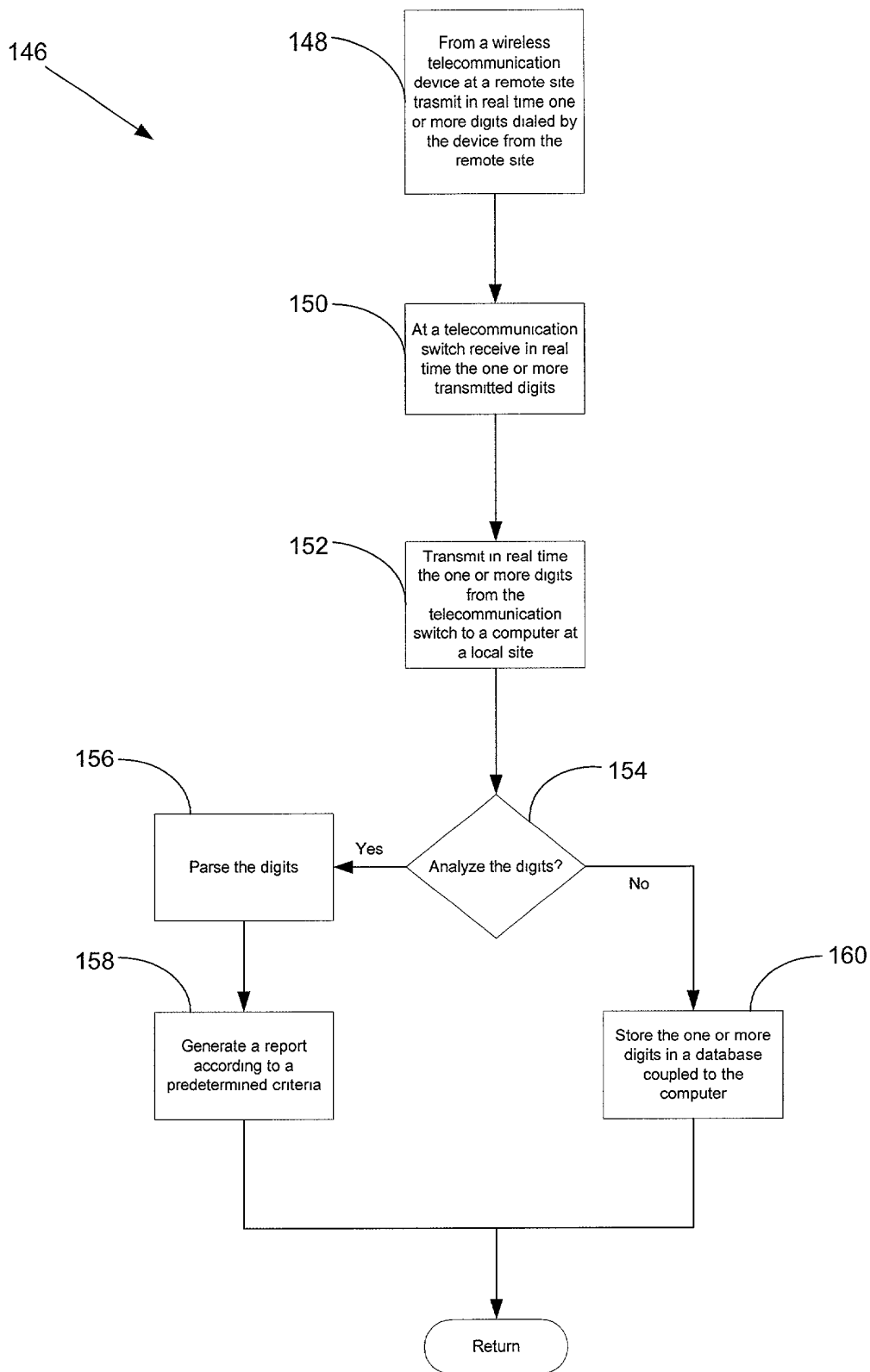


FIG. 9

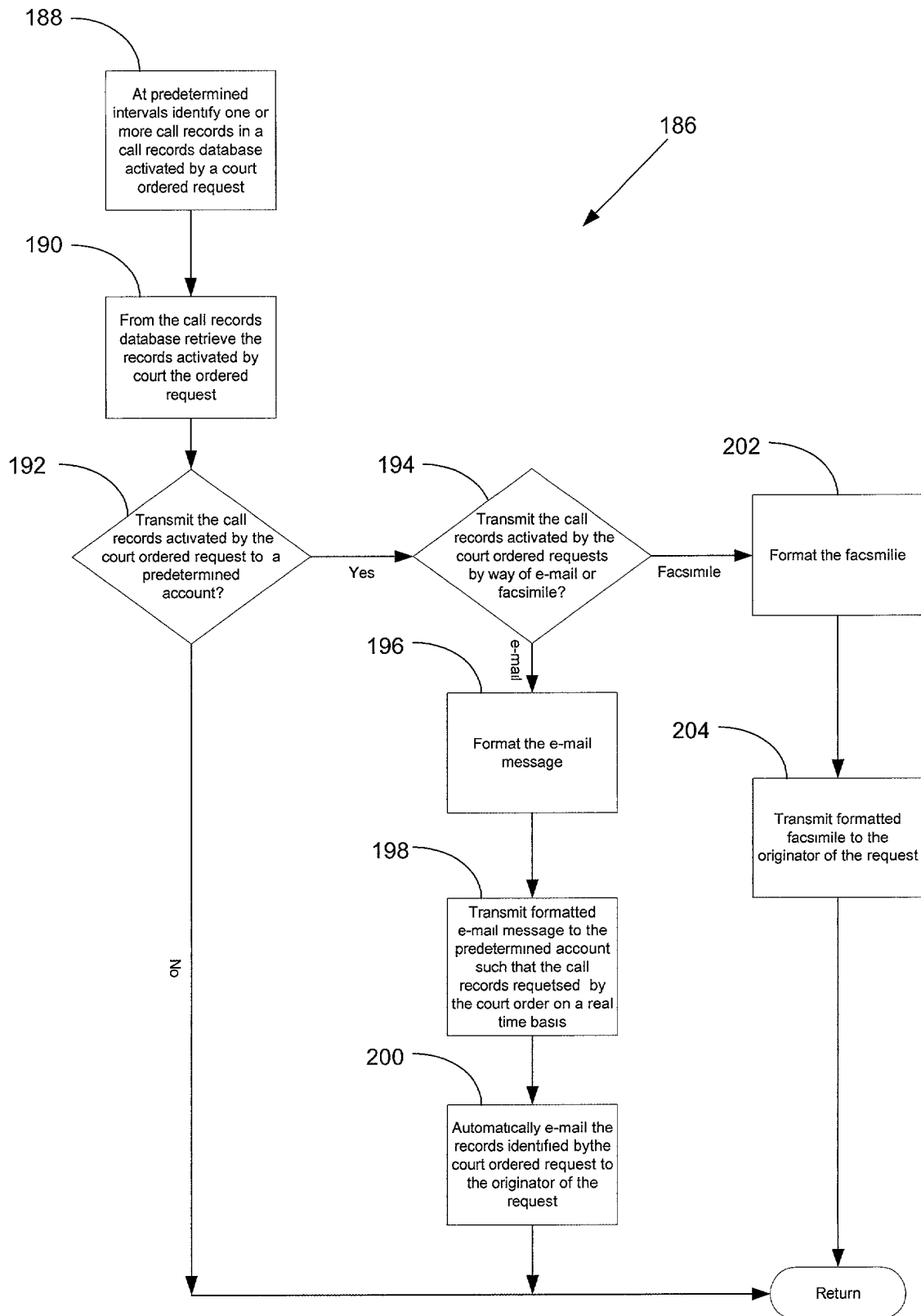


FIG. 10

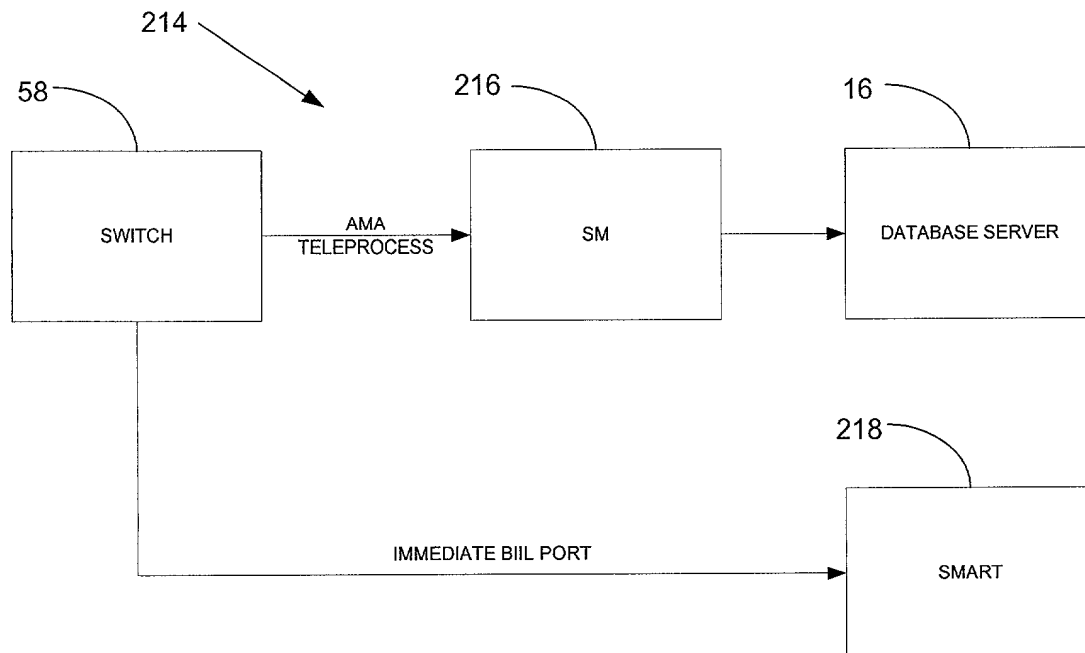


FIG. 11A
RELATED ART

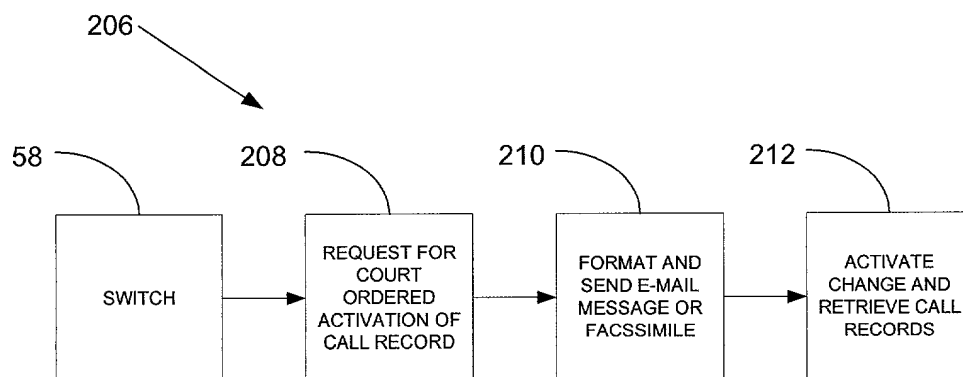


FIG. 11B

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graph TD
    220 --> 222[Store cell specific information associated with a cellular telecommunication network in a shared database on a real time basis]
    222 --> 224[/Cell name; cell number; location code; adress; latitude/longitude; switch number; battery information; building information; contact information; directions to the site; facility circuit identification numbers; log entries of changed data/]
    224 --> 226{Determine if there is a cellular network emergency or call outage}
    226 -- No --> 222
    226 -- Yes --> 228[Enable real time access to the shared database to one or more computer programs executing on a network that is in communication with the shared database]
    228 --> 230[Maintain log entry of accesses to the shared database]
    230 --> 232[Maintain security of variables accesseD by the one or more users of the shared database]
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FIG. 12